

MSG 139A - RED FD10 PAYLOAD SUMMARY

FREESTAR

The MEIDEX Team continues to analyze downlinked digital data.

Despite some error indications on the filter status during the observations and mode transitions of the SOLSE instrument from science to cal and back to science, the SOLSE and LORE instruments performed nominally. Both problems were caused by three internal reboots of the SOLSE computer. After boot up, the SOLSE instrument initiates CAL mode. Also, at boot-up the SOLSE instrument expects the filter to be in VIS. However, the first North Polar view was conducted with the UV filter by request of the SOLSE team. The reason for the internal reboots is still under investigation.

The LPT instrument is performing nominally. In the last 24 hours, LPT conducted 16 events including operations to simulate a potential ops concept for a proposed GSFC project, Global Precipitation Measurement (GPM).

CVX-2 Critical Period 3 is currently on schedule to begin at 8/16:00 MET and end 9/14:00 MET.

SOLCON is processing data received from last four solar observations.

SPACEHAB

The SPACEHAB subsystem configuration was altered slightly. The HFA fans and CEWP were swapped to Orbiter power and the Aft Inverter was powered off to reduce thermal load. There have been no additional subsystem failures.

ARMS Musc1B activities for MS3 and MS4 were completed successfully which represents the end of ARMS mid-mission measurements.

The MSTRS engineering team is performing diagnostic testing with the MSTRS duplicate flight system located on the ground to assess data problems seen on the MSTRS on-board hardware.

COM2PLEX initiated operations utilizing the third cooling loop. The individual testing of this loop will continue for approximately 48 hours.

STARS lost video, command, and data connection for several hours. Video, data, and command links have been reestablished. The experiment is operating successfully.

StarNav achieved their primary mission objectives during earlier successful operations, but is currently unable to interface with the EDSMU. StarNav is continuing to troubleshoot this problem.

CM-2 continues to operate nominally, with a vast amount of data collected already and we hope for more to come. The crew ignited the first methane flame ball in orbit and we saw some oscillations that we are seeking to understand.

Astroculture has completed their formal operations. The 4th and last sampling operation was completed today and the plants will be allowed to dry for return.

Troubleshooting to recover Biopack has so far been unsuccessful, the unit is unpowered.

ERISTO flight and ground facilities continue to operate nominally.

The FAST facility continues to perform flawlessly.

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